

0010/PTO Rev. 6/95 <div style="text-align: right; font-size: small;">U.S. Department of Commerce Patent and Trademark Office</div> <div style="text-align: center; padding: 10px;"> <b>COMBINED DECLARATION (37 CFR 1.63) AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION</b> </div> <div style="margin-top: 10px;"> <input checked="" type="checkbox"/> Declaration Submitted with Initial Filing           OR           <input type="checkbox"/> Declaration Submitted after Initial Filing         </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Attorney Docket Number</td> <td>23230-08141</td> </tr> <tr> <td>First Named Inventor</td> <td>Norikazu Endo</td> </tr> <tr> <td colspan="2" style="text-align: center; font-size: small;">COMPLETE IF KNOWN</td> </tr> <tr> <td>Application Number</td> <td>Unknown</td> </tr> <tr> <td>Filing Date</td> <td>Herewith</td> </tr> <tr> <td>Group Art Unit</td> <td>Unknown</td> </tr> <tr> <td>Examiner Name</td> <td>Unknown</td> </tr> </table>	Attorney Docket Number	23230-08141	First Named Inventor	Norikazu Endo	COMPLETE IF KNOWN		Application Number	Unknown	Filing Date	Herewith	Group Art Unit	Unknown	Examiner Name	Unknown
Attorney Docket Number	23230-08141														
First Named Inventor	Norikazu Endo														
COMPLETE IF KNOWN															
Application Number	Unknown														
Filing Date	Herewith														
Group Art Unit	Unknown														
Examiner Name	Unknown														

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SHORTCUT NAMES FOR USE IN A SPEECH RECOGNITION SYSTEM

the specification of which

(Title of the Invention)

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) [ ] as United States Application Number or PCT International Application Number [ ] and was amended on (MM/DD/YYYY) [ ] (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 (a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365 (a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

or any PCT international application having a filing date before that of the application on which priority is claimed					
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES                      NO	
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☐ Additional foreign application numbers are listed on a supplemental priority sheet attached hereto:

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	
		<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental sheet attached hereto.

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DECLARATION		Page 2	
I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.			
U.S. Parent Application Number	PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
<input type="checkbox"/> Additional U.S. or PCT international application numbers are listed on a supplemental priority sheet attached hereto.			

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Name	Registration Number	Name	Registration Number
Greg T. Sueoka	33,800	Jae Won Song	37 C.F.R. §10.9(b)

☐ Additional attorney(s) and/or agent(s) named on a supplemental sheet attached hereto.

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:

☐ A petition has been filed for this unsigned inventor

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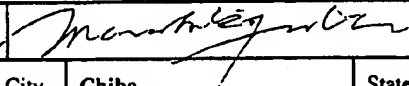
DECLARATION				ADDITIONAL INVENTOR(S) Supplemental Sheet			
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DECLARATION				ADDITIONAL INVENTOR(S) Supplemental Sheet			
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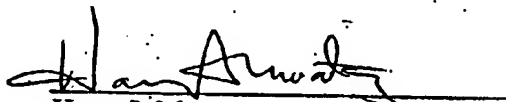
**BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE  
UNITED STATE PATENT AND TRADEMARK OFFICE**

**LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)**

Jae Won Song is hereby given limited recognition under 37 CFR § 10.9(b), as an employee of the law firm of Fenwick & West, LLP, to prepare and prosecute patent applications wherein the patent applicant is a client of the law firm of Fenwick & West, LLP, and a registered practitioner, who is a member of the law firm of Fenwick & West, LLP, is the practitioner of record in the applications. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Jae Won Song ceases to lawfully reside in the United States; (ii) Jae Won Song's employment with the law firm of Fenwick & West, LLP, ceases or is terminated, or (iii) Jae Won Song ceases to remain or reside in the United States on an H-1B visa.

This document constitutes proof of such limited recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

**Expires: June 3, 2004**

  
Harry I. Moatz  
Director of Enrollment and Discipline

so that the speech recognition module may acoustically compare the input speech with the shortcut names included in the grammar.

#### **BRIEF DESCRIPTION OF THE DRAWINGS**

[0014] The teachings of the present invention can be readily understood by considering the following detailed description in conjunction with the accompanying drawings.

[0015] FIG. 1A is a flowchart illustrating a method of registering a shortcut name corresponding to a frequently requested destination for use with a speech recognition system in a vehicle navigation system, according to one embodiment of the present invention.

[0016] FIG. 1B is a flowchart illustrating a method of registering a shortcut name corresponding to a location flagged by a user for use with a speech recognition system in a vehicle navigation system, according to another embodiment of the present invention.

[0017] FIG. 2 is a flowchart illustrating a method of using and/or deregistering a shortcut name corresponding to a frequently requested destination for use with a speech recognition system in a navigation system, according to one embodiment of the present invention.

[0018] FIG. 3 is a block diagram illustrating a navigation system with speech recognition capabilities utilizing a shortcut name list, according to one embodiment of the present invention.

**[0019]** FIG. 4 is a diagram illustrating an example of a database entry corresponding to one user in the user profile database of the vehicle navigation system of FIG. 3.

#### **DETAILED DESCRIPTION OF EMBODIMENTS**

**[0020]** The embodiments of the present invention will be described below with reference to the accompanying drawings. Like reference numerals are used for like elements in the accompanying drawings.

**[0021]** FIG. 1A is a flowchart illustrating a method of registering a shortcut name corresponding to a frequently requested destination for a speech recognition system (not shown) used in a vehicle navigation system (not shown), according to one embodiment of the present invention. The method of FIG. 1A enables a user of the navigation system to register shortcut names for frequently requested destinations, for use with the speech recognition system in the navigation system.

**[0022]** As the process begins 102, the navigation system receives 104 a destination to which directions from the current location of the vehicle is requested by the user. The destination may be input to the navigation system 300 (FIG. 3) by speech through a speech recognition system 304 (FIG. 3), by manually typing in a destination, or by any other input means available to the navigation system. The received destination is stored 108 as destination history data in a personal profile database corresponding to the user. The destination history data includes a list of the destinations requested by the user and destination count keeping track of the number of times the corresponding destination was requested by the user.